ATTACHMENT VI

TECHNOLOGY INNOVATIONS FUND

QUARTERLY PROJECT STATUS SUMMARY

February 26, 2004

On March 1, June 1, September 1, and December 1, E-Mail the following status information to the Council Chairman at this address.

Department/Agency: LSU/Computing Services

Name of Project: Exploiting Linux Services in Louisiana

LTIF Log No.:   03/300

Project Coordinator: William Beyer, 225-578-1981, bill@lsu.edu

Project Status: On Schedule

The bid for our equipment was awarded to Mainline Information Systems in Shreveport, with subsequent delivery of our IBM 2066-OLF mainframe on January 2, 2004. After installation and initial testing by IBM, we configured the platform for two Logical PARtitions (LPARs) to serve as development/testing and production environments. We then connected the platform to our existing disks and booted up our current z/Linux environment in the production LPAR, moving off the LSU 2066-002 mainframe on January 13, 2004.

We installed the SHARK disks, ESCON director, FICON cards, cables, etc., to complete the hardware installation at the LSU computer center. A tape robot expansion, including two LTO Ultrium tape drives, was installed at the ISB data center to handle backup capability.

The 31-bit SuSE Linux distribution for the s390 architecture arrived in late January. We installed it in our development/training LPAR and created a base Linux image for use as a cloning blueprint upon which to build new images. We developed a series of scripts that automate much of the cloning process. We have also developed a process for moving a Linux image from the development/training LPAR to the production LPAR. We have reserved blocks of network addresses for images that will reside in either LPAR. We received the 64-bit SuSE distribution mid-February, but are waiting to complete the image infrastructure before installing it. We expect the 64-bit distribution will function identically to the 31-bit version with which we're working, and both versions can coexist in our 64-bit z/VM underlying platform.

Currently, we are in the process of using the cloning procedures to create new Linux images based on the SuSE templates and migrating our existing Red Hat images to them. All new images are being created on the new SHARK disks. We are also setting up a web site for this project to promote dialogue with our users, "http://zlinux.lsu.edu".

We have installed the ESALPS z/VM-z/Linux monitoring system from Velocity Software and are working through its capabilities.

We have tentatively scheduled a workshop for March 30, 2004, to discuss the technical infrastructure of the project and solicit feedback and suggestions from the State technical community before solidifying some of the standard Linux services to be offered, such as web servers, database servers, file/print servers, etc.

Date: February 26, 2004

Percent Complete: 35% as planned

Explanation[1]:

[1]Note: An explanation should be provided if the project's "percent complete" is behind the baseline "percent complete" established with the MOU.